

waterproofing and drainage system for planters



WATERPROOFING AND DRAINAGE SYSTEM FOR PLANTERS

1. GEOLITE holker
2. WATSTOP secondary waterproofing and vapor barrier /DIASEN/
3. Cement screed under the slope of 3%
4. VAPOSTOP primer /DIASEN/
5. ACRIFLEX ANTIROOT primary antiroot waterproofing /DIASEN/
6. IZOFLEECE 1000 reinforcing fleece for full surface immersion in waterproofing

7. IZOFLEECE 200 reinforcing tape
8. ND 5+1 horizontal drainage accumulation layer /NOPHADRAIN/
9. ND 120 + ND CLIC suspension system vertical drainage protective layer /NOPHADRAIN/
10. Earth substrate
11. ARDEX FB 9 L adhesive for stone





2. WATSTOP

WATSTOP is a three-component waterproofing based on modified epoxy, a special cement-based binder and activator as the third component. It is absolutely waterproof on both the negative and positive side and absolutely vapor-tight. It is a product of the renowned Italian manufacturer DIASEN. Excellent material for wet areas. In the planter system, WATSTOP is used to make a strong vapor barrier and strong waterproofing in one layer. It is produced in two colors - black and white. The structure of the applied and formed material is extremely suitable for all future applications and finishing of other layers.

4. VAPOSTOP

VAPOSTOP is a one-component water-based primer, formulated with modified silane polymers, designed for concrete substrates, by the renowned Italian manufacturer DIASEN. It is immediately ready to use and easy to apply. Created to increase the degree of adhesion of new generation waterproofing based on modified acrylates and elastomeric resins. The product creates a vapor barrier and avoids the development of bubbles during the application of waterproofing layers, as well as separation caused by moisture. It can be applied even on wet substrates, it is water resistant, has excellent anti-degradation properties of concrete surfaces, and also blocks the appearance of carbonation.

5. ACRIFLEX ANTIROOT

ACRIFLEX ANTIROOT is a two-component waterproofing membrane, resistant to roots, stagnant water and UV rays, from the renowned Italian manufacturer DIASEN. The material is in a liquid, pasty state, enriched with fiber and is gray in color. Its special formulation rejects any type of root without harming the plants. It does not require any additional protection against roots. The ACRIFLEX ANTIROOT material is highly resistant to wear, low and high temperatures and continuous freeze-thaw cycles. The product is elastic and long-lasting, it is placed over the entire surface without seams or overlapping in two separate coats. It can be applied on all healthy concrete surfaces, over old bitumen membranes, metals, bricks, OSB boards, etc. For additional reinforcement of horizontal surfaces with potentially higher loads and possibilities of substrate deformation, the full-surface reinforcing fleece IZO-FLEECE 1000 is used, and all corners and bends are banded with canvas IZOFLEECE 200.



8. ND 5+1

Drainage system that has tanks and is installed on roofs with limited slope on which intensive or extensive vegetation is planted. This is the product of the renowned Dutch manufacturer NOPHADRAIN. The drainage system prevents the creation of hydrostatic pressure on the waterproofing membrane, protects it from mechanical loads and ensures evaporation of the system. This product protects vegetation from excessive water retention in the winter, and together with ND-SM 25/50 substrate panels provides a sufficient amount of water to the vegetation in the dry season.

It is a 3 in 1 (roll) product consisting of a filter polypropylene geotextile on the upper side and a sliding geotextile film for even pressure distribution glued to the dimpled core made up of a strong and solid combination of HDPE and polypropylene, with a total thickness of 27.5 mm. Atmospheric water (5.8 l / m²) accumulates and stores in the tubs.

9. ND 120 + ND CLIC

Drainage system for intensive and extensive green roofs, from the renowned Dutch manufacturer NOPHADRAIN. ND 120 is a layer that prevents the formation of hydrostatic pressure on the waterproofing membrane and protects it from mechanical loads. It enables water filtration and its efficient and fast leaving of the roof plane or vertical position in the planter system.

It is a 3-in-1 product (in a roll) made of a filter polypropylene geotextile and a sliding film for even pressure distribution, glued to the dimpled core, which is consisted of a strong combination of HDPE and polypropylene, with a total thickness of 10 mm.

This system comes with a special metal strip with which the drainage is mounted on vertical surfaces - ND Clic Profile. ND 120 can be placed on vertical and horizontal surfaces over waterproofing or construction.

6. IZOFLEECE 1000

IZOFLEECE 1000 is a polypropylene reinforcing fleece that is completely immersed in coated waterproofing with a mutual overlap of min. 5 cm. It is used for indoor and outdoor spaces on horizontal and vertical surfaces. Ideal for compensation movements of unstable and different substrates where additional reinforcement of the waterproofing is necessary. It is easy to install, and after its application, the work can be resumed quickly.

7. IZOFLEECE 200

IZOFLEECE 200 is special polypropylene fabric - tape, white colored, for bandaging and strengthening corners, edges, fractures as well as joints and penetrations that have the risk of movement and cracking. In combination with quality coating waterproofing of any base, it makes a detail that is resistant to various deformations of the substrate, to splitting, alkalis, as well as to the usual chemical substances on the construction site. IZOFLEECE 200 is designed to guarantee strong adhesion on both sides with coating and immersing waterproofing.



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